

RTP 100 HI UV

Polypropylene Copolymer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
-Preliminary Product Data per RTP Co.-

General Information			
Additive	Impact modifier		
	heat stabilizer		
	UV stabilizer		
Features	Impact modification		
	Good UV resistance		
	Thermal Stability		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1030	MPa	ASTM D638
Tensile Strength	20.7	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Flexural Strength	23.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	640	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1500	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	102	°C	ASTM D648
1.8 MPa, not annealed	48.9	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.59 mm, Values per RTP Company testing.)		
	HB	UL 94
Additional Information		
Molding Shrinkage, ASTM D-955, 0.25in.: 25mil/in		
Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	2.0	hr
Suggested Max Regrind	20	%
Rear Temperature	213 - 268	°C
Middle Temperature	213 - 268	°C
Front Temperature	213 - 268	°C
Mold Temperature	32.2 - 65.6	°C
Injection Pressure	68.9 - 103	MPa

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Recommended distributors for this material

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